



PTO/SB/08A (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U. S. Patent and Trademark Office; U.S. DÉPARTEMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	10/771,087		
		Filing Date	February 3, 2004		
		First Named Inventor	Frederick B. Growcock		
		Group Art Unit	1712		
		Examiner Name	Not Yet Known		
Sheet	1	of	1	Attorney Docket Number	2223-04501

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
PC	AA	US-6,716,797	04/06/2004	Brookey	
	AB	US-6,739,414	05/25/2004	Brookey et al.	
	AC	US-6,770,601	08/03/2004	Brookey	
	AD	US-2003/0215946 A1	11/20/2003	Nair et al.	
PT	AE	US-2001/0027880	10/11/2001	Brookey	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁷
PT	AE	PCT International Search Report to Application # 60/444,508, PCT/US04/02960 filed February 3, 2004.	

Examiner Signature	P. Tucker	Date Considered	6/05
--------------------	-----------	-----------------	------

*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St.16 if possible. 6 Applicant is to place a check mark here if English language translation is attached. The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORM TO THIS ADDRESS. Send To Commissioner For Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2



Form PTO-1449 (Modified) SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)					Atty. Docket No. 2223-04501		Serial No. 10/771,087	
					Applicant Fredrick B. Growcock			
					Filing Date 2/3/04		Group 1712	
REFERENCE DESIGNATION U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE	
P.T.	AA	U.S. 6,649,571	11/2003	Morgan	507	102		
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	Translation YES NO	
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AB	PCT International Search Report to Application # 60/444,537, PCT/US04/02947 filed February 3, 2004.						
EXAMINER P. TUCKER				DATE CONSIDERED 6/05				
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.								

Form PTO-1449 (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)						Atty. Docket No. 2223-04501		Serial No. 10/771,087	
<div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 100px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 0.8em; margin: 0 5px;"> RECEIVED MAY 03 2004 U.S. PATENT & TRADEMARK OFFICE </div> </div>						Applicants Frederick B. GROWCOCK et al.			
						Filing Date February 3, 2004		Group Not known yet	

REFERENCE DESIGNATION OF PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
PT	AA	2,818,230	12/31/1957	<i>Davis</i>	255	1.8	02/08/1954
	AB	3,900,420	08/19/1975	<i>Sebba</i>	252	307	09/14/1972
	AC	4,155,410	05/22/1979	<i>Jackson, deceased et al.</i>	175	66	06/26/1978
	AD	4,486,333	12/04/1984	<i>Sebba</i>	252	307	03/23/1982
	AE	5,314,644	05/24/1994	<i>Michelsen et al.</i>	261	84	10/19/1992
	AF	5,881,826	06/16/1999	<i>Brookey</i>	175	72	02/13/1997
	AG	6,123,159	09/26/2000	<i>Brookey et al.</i>	175	72	07/24/1998
	AH	6,148,917	11/21/2000	<i>Brookey et al.</i>	166	301	02/09/1999
	AI	6,156,708	12/05/2000	<i>Brookey et al.</i>	507	102	02/09/1999
	AJ	6,390,208 B1	05/21/2002	<i>Brookey</i>	175	72	05/07/1999
PT	AK	6,422,326 B1	07/23/2002	<i>Brookey et al.</i>	175	72	06/09/2000

FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	Translation YES NO
PT	AL	WO 98/36151	08/20/1998	WIPO	E21B 21/14	C09K 7/00	YES <input type="checkbox"/> NO <input type="checkbox"/>

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
PT	AM	Article entitled: "Drill-In Fluids Improve High Angle Well Production," Supplement to the Petroleum Engineer International, March 1995.
	AN	Article entitled: "Foams and Biliquid Foams - Aprhons," (Ch. 5, pp. 63-78) by Felix Sebba, John Wiley & Sons, 1987.
	AO	Article entitled: "Hidraulica Forajului," translation: YES, pp. 444-455, October 26, 1982.
	AP	Article entitled "Microbubbles: Generation and Interaction With Colloid Particles," J.B. Melville and E. Matijevic, Institute of Colloid and Surface Science and Department of Chemistry, Clarkson College of Technology, Potsdam, NY., pp. 217-235, 1975.
	AQ	Article entitled "Separation of Organic Dyes From Wastewater by Using Colloidal Gas Aphrons," D. Roy, K.T. Valsaraj, and S.A. Kottai, Marcel Dekker, Inc., Separation Science and Technology, 27(5), pp. 573-589, 1992.
	AR	SPE 39589 entitled "Microbubbles: New Aphron Drill-in Fluid Technique Reduces Formation Damage in Horizontal Wells," Tom Brookey, SPE, ActiSystems, Inc., Society of Petroleum Engineers, February 18-19, 1998.
PT	AS	Article entitled "Treatability of Water-based Drilling Fluids Using Colloidal Gas Aphrons," D. Roy, K.T. Valsaraj, and V.J. Amedee, Department of Civil Engineering and Chemical Engineering, Louisiana State University, Fluid/Particle Separation Journal, Vol. 5, No. 1, pp. 31-36, March 1992.

EXAMINER <div style="font-family: cursive; font-size: 1.2em; margin-top: 10px;">P. Tucker</div>	DATE CONSIDERED <div style="font-family: cursive; font-size: 1.2em; margin-top: 10px;">6/05</div>
--	--

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.